

Remarks:

Reconsideration of the application is requested.

Claims 1 and 3-9 are now in the application. Claim 1 has been amended. Claim 9 has been added.

In the section entitled "Claim Rejections - 35 USC § 103" on pages 2-5 of the above-mentioned Office action, claims 1 and 4-6 have been rejected as being unpatentable over Kitagawa et al. (US Pat. No. 5,198,690) under 35 U.S.C. § 103(a); claim 3 has been rejected as being unpatentable over Kitagawa et al. in view of Henry et al. (US Pat. No. 4,570,172) under 35 U.S.C. § 103(a); claim 7 has been rejected as being unpatentable over Kitagawa et al. in view of Ishikawa et al. (US Pat. No. 5,488,233) under 35 U.S.C. § 103(a); and claim 8 has been rejected as being unpatentable over Kitagawa et al. in view of Liau et al. (US Pat. No. 4,784,722) under 35 U.S.C. § 103(a).

The rejections have been noted and claim 1 has been amended in an effort to even more clearly define the invention of the instant application. Support for the changes is found on page 10, lines 7-9 and page 13, line 18 to page 14, line 2 of the specification.

Before discussing the prior art in detail, it is believed that a brief review of the invention as claimed, would be helpful.

Claim 1 calls for, inter alia:

said first semiconductor layer including states in said first band gap.

None of the cited references discloses a material with states in the band gap, which is formed as a re-emission layer that is exposed to radiation by light of the first wavelength, emits light of a second wavelength, and emits light of mixed colors together with the light of the first wavelength within a single component, as recited in claim 1 of the instant application.

It is accordingly believed to be clear that none of the references, whether taken alone or in any combination, either show or suggest the features of claim 1. Claim 1 is, therefore, believed to be patentable over the art and since all of the dependent claims are ultimately dependent on claim 1, they are believed to be patentable as well.

In view of the foregoing, reconsideration and allowance of claims 1 and 3-9 are solicited.

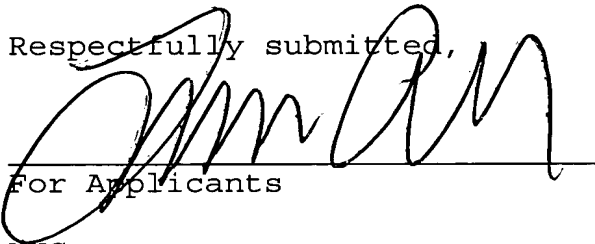
In the event the Examiner should still find any of the claims to be unpatentable, counsel would appreciate a telephone call

so that, if possible, patentable language can be worked out.

In the alternative, the entry of the amendment is requested as it is believed to place the application in better condition for appeal, without requiring extension of the field of search.

If an extension of time for this paper is required, petition for extension is herewith made. Please charge any fees which might be due with respect to Sections 1.16 and 1.17 to the Deposit Account of Lerner and Greenberg, P.A., No. 12-1099.

Respectfully submitted,



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Marked-Up Version of the Amended Claims:

Claim 1 (twice amended). A semiconductor component for generating visible polychromatic light, comprising:

a semiconductor chip having a first semiconductor layer and a second semiconductor layer adjacent to said first semiconductor layer;

said second semiconductor layer including an electroluminescent region emitting visible light of a first color having a first wavelength;

said first semiconductor layer having a first band gap, said electroluminescent region having a second band gap, said first band gap being smaller than said second band gap;

said first semiconductor layer absorbing part of the visible light of the first color and said first semiconductor layer re-emitting visible light of a second color having a second wavelength, the second color being different from the first color, and the second wavelength being longer than the first wavelength;

- said semiconductor chip emitting the visible light of the second color together with the visible light of the first color; and

said first semiconductor layer [and said second semiconductor layer being configured to emit white light from said semiconductor chip] including states in said first band gap.